

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-134SL-SLC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-134SL-SLC-UNV-L835-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

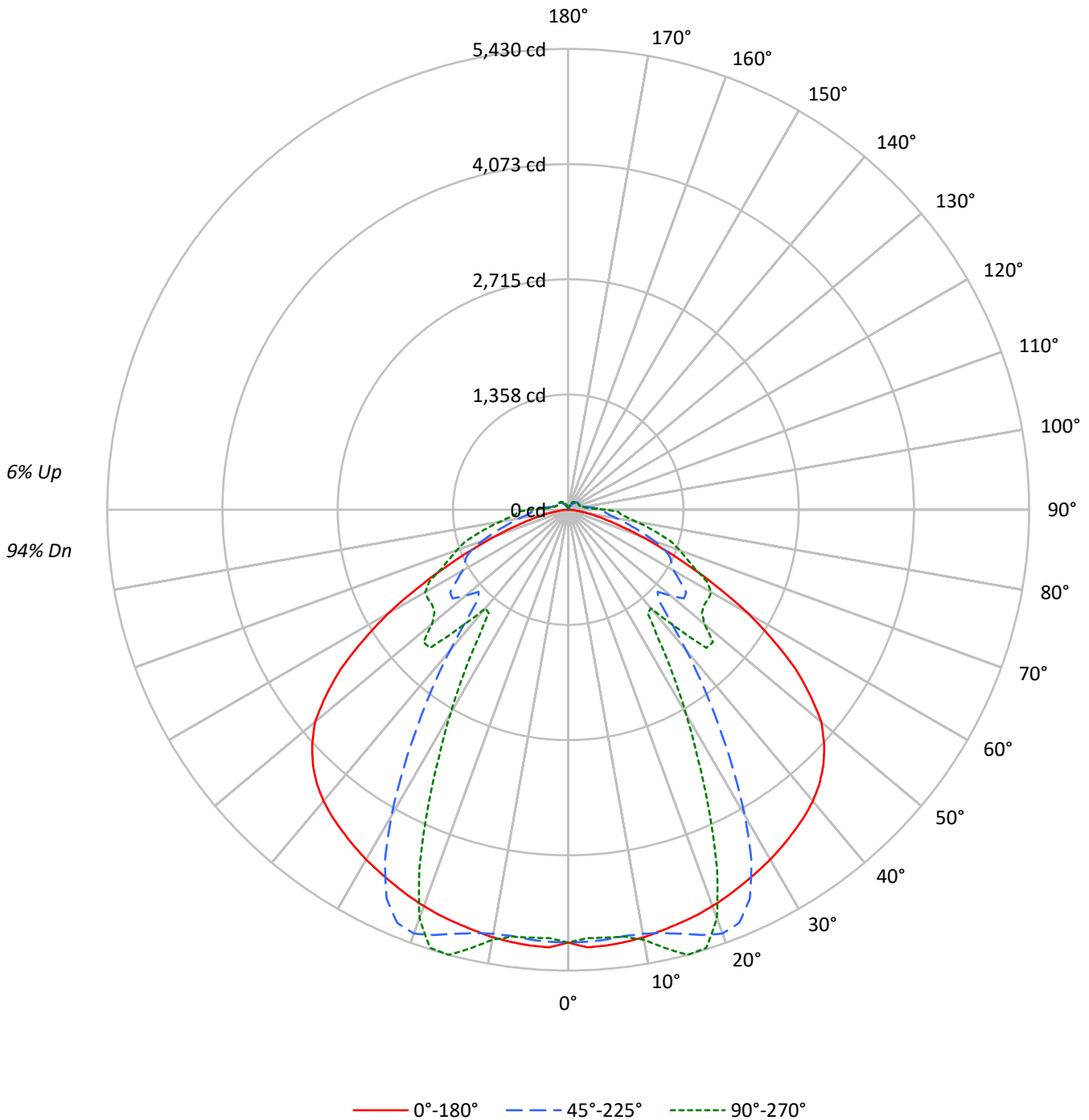
Lumens per Lamp: N/A  
Luminaire Lumens: 13097.0 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 110  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	20601	20601	20601
5°	20880	20137	19871
10°	20935	19849	19802
15°	21022	20146	20639
20°	21249	20765	19373
25°	21547	19974	14917
30°	22010	16745	10611
35°	22597	12694	7185
40°	23336	9238	6084
45°	23924	6708	9564
50°	24026	7438	9077
55°	22535	8572	8964
60°	19285	7856	9527
65°	14594	7938	8715
70°	10328	7243	8112
75°	6858	6087	7279
80°	4486	5235	6059
85°	2576	5005	5439



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	485.0	3.7
10°-20°	1464.8	11.2
20°-30°	2127.9	16.2
30°-40°	2033.1	15.5
40°-50°	1859.8	14.2
50°-60°	1717.2	13.1
60°-70°	1364.0	10.4
70°-80°	841.9	6.4
80°-90°	458.4	3.5
90°-100°	231.7	1.8
100°-110°	145.6	1.1
110°-120°	123.3	0.9
120°-130°	100.7	0.8
130°-140°	72.3	0.6
140°-150°	44.6	0.3
150°-160°	21.2	0.2
160°-170°	5.5	0.0
170°-180°	0.0	0.0
0°-30°	4077.8	31.1
0°-40°	6111.0	46.7
0°-60°	9687.9	74.0
0°-90°	12352.2	94.3
90°-120°	500.6	3.8
90°-150°	718.2	5.5
90°-180°	745.0	5.7
0°-180°	13097.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5098	5098	5098	5098	5098	
5°	5155	5076	5085	5058	5060	491
15°	5047	4979	5173	5365	5430	1428
25°	4868	4963	5058	4282	3932	2250
35°	4631	4557	3072	2115	1839	2904
45°	4252	2966	1499	1912	2302	3268
55°	3270	1521	1697	1826	1955	2880
65°	1578	986	1323	1607	1645	1595
75°	465	526	792	1050	1120	527
85°	66	223	449	612	621	83
90°	2	167	402	476	440	3
95°	0	156	278	246	232	0
105°	0	140	172	156	154	0
115°	0	115	165	147	140	1
125°	2	92	147	142	135	2
135°	2	66	117	129	124	2
145°	2	41	81	104	111	1
155°	4	25	50	66	79	2
165°	4	14	25	32	43	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5098.5	5098.5	5098.5	5098.5	5098.5
2.5°	5161.7	5087.3	5096.3	5080.5	5053.4
5°	5155.0	5076.0	5085.0	5057.9	5060.2
7.5°	5136.9	5055.7	5066.9	5062.4	5073.7
10°	5116.6	5030.8	5073.7	5112.1	5145.9
12.5°	5080.5	5003.7	5107.6	5220.4	5290.4
15°	5046.6	4978.9	5173.0	5364.9	5430.3
17.5°	5012.8	4969.9	5254.3	5421.3	5412.3
20°	4969.9	4965.4	5315.2	5258.8	5121.1
22.5°	4922.5	4967.6	5267.8	4854.8	4583.9
25°	4868.3	4963.1	5057.9	4281.5	3931.7
27.5°	4814.2	4942.8	4676.5	3654.1	3308.7
30°	4760.0	4888.6	4161.9	3080.8	2767.1
32.5°	4696.8	4771.3	3602.2	2573.0	2284.1
35°	4631.3	4556.9	3071.8	2114.8	1839.4
37.5°	4563.6	4247.7	2595.5	1713.1	1537.0
40°	4482.4	3859.5	2157.7	1469.3	1516.7
42.5°	4380.8	3421.6	1771.7	1541.5	1871.0
45°	4252.2	2965.7	1498.6	1911.7	2302.1
47.5°	4089.7	2527.8	1430.9	2189.3	2311.2
50°	3893.3	2126.1	1573.1	2099.0	2090.0
52.5°	3595.4	1792.0	1717.6	1913.9	1986.1
55°	3270.4	1521.2	1697.3	1825.9	1954.6
57.5°	2859.6	1338.4	1557.3	1807.8	1956.8
60°	2451.1	1216.5	1437.7	1805.6	1945.5
62.5°	1999.7	1105.9	1376.8	1762.7	1846.2
65°	1577.6	986.3	1322.6	1607.0	1645.3
67.5°	1209.7	864.4	1227.8	1433.2	1509.9
70°	911.8	744.8	1078.8	1300.0	1394.8
72.5°	656.8	632.0	925.4	1182.7	1282.0
75°	464.9	525.9	792.2	1049.5	1119.5
77.5°	320.5	428.8	679.4	902.8	959.2
80°	209.9	343.1	577.8	776.4	814.8
82.5°	126.4	275.4	501.1	679.4	699.7
85°	65.5	223.4	449.1	611.6	620.7
87.5°	20.3	187.3	419.8	580.0	591.3
90°	2.3	167.0	401.7	476.2	440.1
92.5°	0.0	158.0	347.6	325.0	291.2
95°	0.0	155.7	277.6	246.0	232.5
97.5°	0.0	151.2	228.0	205.4	198.6
100°	0.0	146.7	196.4	180.6	178.3
102.5°	0.0	144.4	178.3	164.8	162.5
105°	0.0	139.9	171.5	155.7	153.5
107.5°	0.0	133.2	167.0	151.2	146.7
110°	0.0	126.4	167.0	149.0	142.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	119.6	167.0	146.7	139.9
115°	0.0	115.1	164.8	146.7	139.9
117.5°	2.3	110.6	162.5	146.7	139.9
120°	0.0	106.1	158.0	146.7	137.7
122.5°	2.3	99.3	153.5	144.4	137.7
125°	2.3	92.5	146.7	142.2	135.4
127.5°	2.3	85.8	139.9	137.7	130.9
130°	2.3	79.0	133.2	135.4	128.6
132.5°	2.3	72.2	124.1	130.9	126.4
135°	2.3	65.5	117.4	128.6	124.1
137.5°	2.3	58.7	108.3	121.9	121.9
140°	2.3	51.9	99.3	117.4	119.6
142.5°	2.3	47.4	90.3	112.8	115.1
145°	2.3	40.6	81.3	103.8	110.6
147.5°	2.3	36.1	72.2	94.8	103.8
150°	2.3	31.6	63.2	85.8	94.8
152.5°	2.3	27.1	56.4	74.5	88.0
155°	4.5	24.8	49.7	65.5	79.0
157.5°	4.5	20.3	40.6	56.4	67.7
160°	4.5	18.1	36.1	47.4	60.9
162.5°	4.5	15.8	29.3	40.6	51.9
165°	4.5	13.5	24.8	31.6	42.9
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)